

Scientific Technician 2 - Habitat Program, Water Team, Yakima Constuction Shop, Yakima

There is currently one 5 month non permanent Scientific Technician 2 opportunity with the Habitat Program, Science Division.

Position: Scientific Technician 2

Duration: 5 months

Anticipated Start Date: February 1, 2007

Salary: Range 36, \$2304 - \$2910 monthly

Duty Station: the Yakima Constuction Shop, Yakima Washington

Duties: See Attached

Minimum Qualifications: Graduation from high school or GED, including one year of high school science and two years of experience as a Scientific Technician 1.

OR

Graduation from high school or GED including one year of high school science and two years of laboratory or field experience as an assistant to a biologist, chemist, or zoologist.

College course work involving major study in biology, zoology, fisheries, chemistry, natural sciences, or closely allied field will substitute, year for year, for experience, provided the course work includes at least six semester or nine quarter hours of natural science classes.

If you are interested in this non permanent opportunity, or would like additional information, **please contact Jonathan Kohr by January 15, 2007. Phone inquiries: (509) 454-4305.** Please pass this opportunity on to anyone who may be interested but does not have e-mail.

This program receives Federal financial assistance from the U.S. Fish and Wildlife Service. It is the policy of the Washington State Department of Fish and Wildlife (WDFW) to adhere to the following: Title VI of the Civil Rights Act of 1964, Section 504 of the Rehabilitation Act of 1973, Title II of the Americans with Disabilities Act of 1990, the Age Discrimination Act of 1975, and Title IX of the Education Amendments of 1972. The U.S. Department of the Interior and its bureaus prohibit discrimination on the basis of race, color, national origin, age, disability and sex (in educational programs). If you believe that you have been discriminated against in any program, activity or facility, please contact the WDFW ADA Coordinator at 600 Capitol Way North, Olympia, Washington 98501-1091 or write to:

U.S. Fish and Wildlife Service
Office of External Programs
4040 N. Fairfax Drive, Suite 130
Arlington, VA 22203

Washington Department of Fish and Wildlife Habitat Program - Water Team

Supplemental Statement of Work For Flow Restoration/Monitoring Scientific Technician II Position

Position: Scientific Technician II

Schedule: 5 months; project terminates June 30 07.

Purpose: The Washington Department of Fish and Wildlife (WDFW) Water Team provides technical assistance to the Washington Department of Ecology (Ecology), to non-profit water trust entities, such as Washington Water Trust and Washington Rivers Conservancy, and to local Conservation Districts to support statewide instream flow restoration efforts. Monitoring these efforts is a way to document changes in stream flow and habitat conditions resulting from acquisition efforts, improve the information and knowledge needed to identify and prioritize flow limiting reaches, track water right acquisition expenditures, monitor effectiveness of acquisitions, and support compliance and enforcement activities.

Objective I: Monitoring and evaluation is a vital component of the trust water program strategy. It must focus on the efficacy of the program and whenever possible establish links between the amount of water acquired and the fish population responses. Monitoring helps improve decision making by providing the ability to track progress and financial accountability (i.e. public funding).

Task 1: Provide assistance with the statewide trust water monitoring program within the sixteen critical basins to assess benefits of instream flow restorations for anadromous and resident salmonid populations. The information collected for the monitoring efforts are vital to assessments of before and after scenarios for various instream flow enhancement projects.

Sub Task 1a: The Scientific Technician II (Staff) will provide best available science (BAS) and support to the WDFW Water Team for ongoing and new projects that enhance instream flows for salmonids by performing the following tasks as needed:

- Conduct comprehensive flow, fish population, and morphologic change monitoring in streams throughout Washington State.
- Prepare and collect baseline data and information for streams within the sixteen critical basins.
- Monitor trust water rights acquired within the sixteen critical basins.
- Work using various fish sampling methods, to include; electrofishing, seine net, and screw trap operation.
- Install, monitor, and operate an instream screw trap.
- Assist in PHABSIM (physical habitat simulation) model field sampling.
- Enter data collected during the sampling periods into the water team's monitoring database.
- Prepare summaries of flow, fish, morphology, and habitat data for reports and/or use in potential monitoring selections.
- Provide technical assistance for instream flow monitoring needs to other division and program staff.

Sub Task 1b: Staff provides technical support at the watershed and stream reach level to the Water Team by the following:

- Effective use of computers for spreadsheet, word processing and GIS applications.

- Proficient in the use of Arc GIS, Excel, Access, and Word. Creates maps in GIS to display information collected in the field.
- Data entry into the RHABSIM (Riverine Habitat Simulation) model database.
- Knowledge of freshwater habitat requirements for anadromous and resident salmonids.
- Knowledge of resident and anadromous salmonid life histories.
- Understands the freshwater habitat requirements of resident and anadromous salmonids.
- Ability to recognize and identify conditions which inhibit natural production.
- Carefully and accurately observes and records the condition and quality of salmonid habitat.
- Is able to accurately identify juvenile and adult salmonids.

Sub Task 1c: Staff will assist the WDFW Water Team Monitoring Biologist and other Instream Flow Research Team members on an as needed basis.